

# SURVEY EQUIPMENT

**KOLIDA**

KOLIDA Instrument (KOLIDA)  
Is A Leading Manufacturer Of  
Precision Surveying Equipment.

1989 -





**K60**

**ARTK  
ER  
SUPER  
S**

**LIGHT UP THE FUTURE**

# FOUR ADVANTAGES TO BOOST YOUR PRODUCTIVITY



**3R GREEN LASER**  
LASER MEASUREMENT & STAKEOUT

**2MP CAMERA**  
CAD AR STAKEOUT

**8MP CAMERA**  
LASER AIMING & STAKEOUT

**FARLINK 2.0 RADIO**  
8-12 KM EVEN FURTHER!



- IMU ..... BUILT-IN IMU MODULE, CALIBRATION-FREE, 60°
- CAMERA ..... FRONT CAMERA: 8MP (CAN BE USED IN AR STAKEOUT),  
BOTTOM CAMERA 2MP (FOR LIVE-VIEW AR STAKEOUT CAMERA)
- LASER ..... 3R GREEN LASER, 30M WORKING RANGE
- ELECTRONIC BUBBLE ..... CONTROLLER SOFTWARE CAN DISPLAY ELECTRONIC BUBBLE,  
CHECKING LEVELING STATUS OF THE CARBON POLE IN REAL-TIME  
BUILT-IN THERMOMETER SENSOR, ADOPTING INTELLIGENT
- THERMOMETER ..... TEMPERATURE CONTROL TECHNOLOGY, MONITORING AND  
ADJUSTING THE RECEIVER TEMPERATURE

# SUPER RTK

# K50



SEE BETTER, WORK BETTER

**MORE EFFICIENT**  
Than Traditional RTK

**MORE VERSATILE**  
Than Traditional RTK

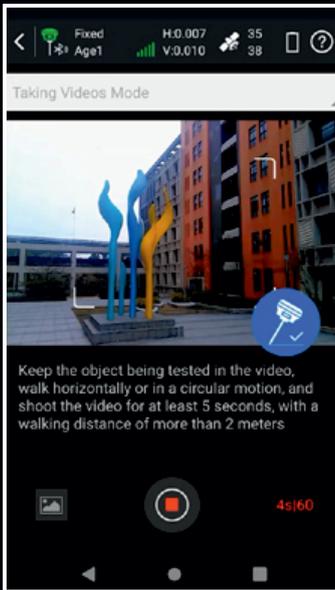
**MORE USER-FRIENDLY**  
Than Traditional RTK

**MORE USER-FRIENDLY**  
Than Traditional RTK

**SAFER**  
Than Traditional RTK

### **VISUAL POSITIONING**

Industry-Leading Non-Contact Measurement Technology



CHANNELS ..... 1698

CAMERA ..... FRONT CAMERA 8MP, BOTTOM CAMERA 2MP

MODEM ..... 802.11 B/G/N STANDARD WIFI AND 4G

ELECTRONIC BUBBLE ..... CONTROLLER SOFTWARE CAN DISPLAY ELECTRONIC BUBBLE, CHECKING LEVELING STATUS OF THE CARBON POLE IN REAL-TIME

THERMOMETER ..... BUILT-IN THERMOMETER SENSOR, ADOPTING INTELLIGENT TEMPERATURE CONTROL TECHNOLOGY, MONITORING AND ADJUSTING THE RECEIVER TEMPERATURE

# NETWORK RTK

Palm Sized Full Functional GNSS Receiver

# K2





### POWERFUL GNSS CHIP

New generation of powerful GNSS mainboard K803 with 1598 channels enables K2 to support a wide range of satellite signals, including GPS, GLONASS, BeiDou, Galileo, QZSS, SBAS, etc, as well as Galileo HAS and BDS PPP.



### 8-15 KM RADIO RANGE

K2 has an built-in transceiver radio, the frequency can be figured from 410 to 470 Mhz. The typical working range of the radio is 8-15km. Farlink Pro protocol is available in 2025.



### BARRIER-FREE MEASUREMENT

Built-in 7.4V 6800mAh high-capacity battery, the battery life is more than 15 hours in rover mode. one charge, meets all-day work. The battery cell can be recharged with long life, the performance is more secure and reliable.



### WIFI AND WEB UI

By connecting through the integrated WiFi of K2, you can logon an user-friendly management platform on the browser of your phone or computer. All status monitoring and parameter settings can be achieved in a fast and easy way.



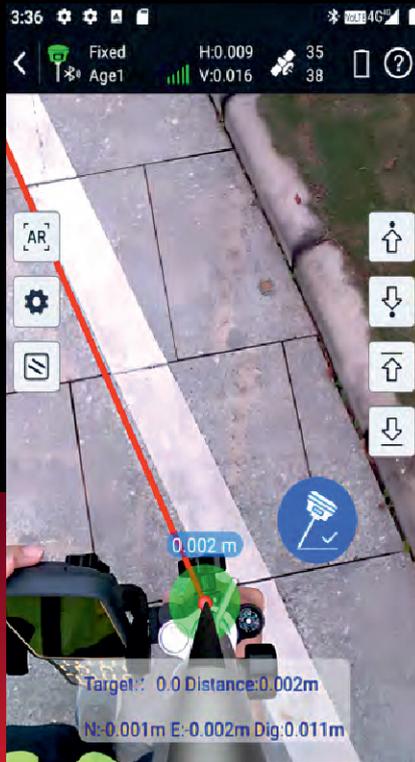
### IMU TILT SURVEY

Built-in IMU compensator, correct the coordinates according to the tilt direction and angle of the centering rod automatically within 60°, assist you quickly and accurately survey or stake out points without leveling the pole. It improves working efficiency by 20-30%.



### LINUX OS

Powered by the new generation of embedded Linux operating system, K2 has a greatly improved RTK performance and efficiency. A unique core processing mechanism is able to response to more than one command at each time.



## UP TO 15 HOURS

WORKING ENDURANCE

## 1598 CHANNELS

ALL CONSTELLATION SIGNAL TRACKING

## UP TO 15 KM

BUILT-IN RADIO WORKING RANGE

## IMU

TILT SURVEY 60°

# TOTAL STATION

## INTELLIGENT TS

All-In-One Professional  
Robotic Total Station For  
Layout, Survey & Monitoring



# KTS-591

### SMART SURVEY, WORK WITH EASE

To Lift Your Capability and Productivity

Bringing Excellent Efficiency to Your Field Task! KTS-591 is an All-in-One Professional Robotic TS For Layout, Survey.

### SPECIFICATION

Accuracy : 1"(0.5" is optional)

Reflectorless : 1000m

Angle Units : DEG 360°/GON 400/MIL 6.400

Memory RAM : 4GB, ROM: 64GB

Data transfer : Bluetooth/WLAN/USB-OTG/Network

Color Screen : 5.5-inch, TFT LCD screen, 720 x1280px  
(2 displays)

This model features WinCE6.0 operation system and advanced mapping software with graphic display, as well as BT and wifi

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(2 displays)



Laser Pointing



Laser Plummet



WI-FI

Wireless Transfer



Dual Compensation



Windows CE 6.0



Ultra Low-noise Amplifier

# KTS-472R SERIES

Model : KTS-472R10LC,  
KTS-472R20LC, KTS-491



# TOTAL

STATION



# TOTAL STATION

CONVENTIONAL TS

## Model KTS-442UT

KTS-442UT Can Be Operated By Android App Ksurvey to Perform Graphic Measurement, Since 2024

### SPECIFICATION

- Accuracy : 2"
- Measurement Range 1 prism : 5000m
- Measurement Range 3 prism : 8000-10000m
- Minimum Reading : 1"/ 5" optional
- Atmosphere Correction : Manual Input
- Operation System : Real Time
- Internal Storage : 12Mb, 100,000 points
- External Storage : up to 32GB USB Flash Memory

## TECHNOLOGIES

- 1500m**  
1000/1500m Reflectless
- Speed**  
Ultra Fast Measurement
- LA**  
Ultra Low-noise Amplifier
- Noise Phase Analysis**
- 150MHZ**  
Carrier Frequency
- Dual Axis Compensation**
- Co-axial Laser Beam**
- Laser Plummet**
- Bluetooth**
- USB Flash Memory**
- Laser Pointing**
- IP66**

## PROGRAMS

- Column Offset**
- Plane Offset**
- Distance Offset**
- REM**
- P/L SO**
- Resection**
- Road Design**
- Area Cal.**
- MLM**

# TECHNOLOGIES

1500m

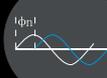
1000/1500m  
Reflectorless

Speed

Ultra Fast  
Measurement



Ultra Low-  
noise Amplifier



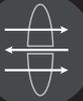
Noise Phase  
Analysis



Carrier  
Frequency



Dual Axis  
Compensation



Co-axial  
Laser Beam



Laser Plummet



Bluetooth



USB Flash  
Memory



Guide Light



IP66

Model

## KTS-442P

New Enhancements Are Coming! KTS Newly Added The T/P Sensor, Guide Light, And Increased The Battery Capacity By 60%.

### SPECIFICATION

Accuracy : 2"

Measurement Range 1 prism : 5000m

Measurement Range 3 prism : 8000-10000m

Minimum Reading : 1"/ 5" optional

Atmosphere Correction : Auto Input, Auto Correction

Operation System : Real Time

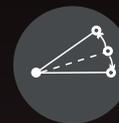
Internal Storage : 12Mb, 100,000 points

External Storage : up to 32GB USB Flash Memory

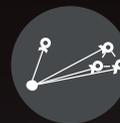
### PROGRAMS



Column Offset



Plane Offset



Distance Offset



P/L SO



Road Design



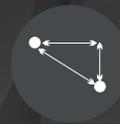
REM



Resection



Area Cal.



MLM



# THEODOLITE

Model : KT-02/ 05, KT-02L/ 05L

## CONVENTIONAL THEODOLITE

The Bestseller Theodolite in China Market.  
KT-02/05 L is with Laser Pointer and Laser Plummet.



	KT-02	KT-02L	KT-05	KT-05L
Magnification	30X	30X	30X	30X
Accuracy	2"	2"	5"	5"
Laser Indicator	No	Yes	No	Yes
LCD Display	Yes	Yes	Yes	Yes
Water / Dust Protection	IP55	IP55	IP55	IP55

Model : NT-023

## MULTI-FUNCTION THEODOLITE

This Innovative Product Features Distance  
Measuring Sensor and Setout Program.

Magnification : 32X

Accuracy : 2"

Laser Indicator : Yes

LCD Display : Yes

Water / Dust Protection : IP55



Deliver A Better User Experience

Intelligent Investment

Saving Manpower



# THEODOLITE LEVEL



## AUTO LEVEL

KL / DSZ Series



Enhanced Magnetic/Air Damping Compensator



Excellent Shockproof Function



Practical Dustproof & Waterproof Capability



High Cost Performance & Durable

	KL20-G Style	KL24-G Style	KL28-G Style	KL32-G Style	KL-C32	KL-A32	DSZ2	DSZ3
Magnification :	20X	24X	28X	32X	32X	32X	32X	28X
Accuracy :	±0.6"	±0.6"	±0.6"	±0.6"	±0.3"	±0.3"	±0.3"	±0.4"
Compensatory :	Magnetic Damping				Air Damping		Magnetic Damping	

Model : KL-15/ KL-07

### DIGITAL LEVEL KL-15/ KL-07

Magnification : 32X

Accuracy : +0.50"/1' & 0.30"/1'

Compensatory Type : Air & Magnetic Damping

Power Resolving : 3"

Storage : 16MB (20000points)

External Storage : Not Applicable / Micro SD Card

Model : KL-03

### DIGITAL LEVEL KL-03

Magnification : 32X

Accuracy : 0.20"/1'

Compensatory Type : Magnetic Damping

Power Resolving : 3"

Storage : 128MB

External Storage : USB Pendrive



# ECHO SOUNDER

Model

## SDE-260D

Dual Frequency Digital Echo Sounder  
Integrated With both Computer and  
Echo Sounder at Industrial Level



TOUCH  
SCREEN



WINDOWS  
XP OS



ROM 2G  
ROM 16G



200KHz  
FREQUENCY



## SPECIFICATION

### MEASUREMENTS

Sound Velocity : 1300-1700m/s  
Depth Resolution : 0.01jt/0.01m  
Depth Range : 0.3-300m/900ft  
Frequency : 200KHz  
Beam Angle : 7°  
Draft : 0-9.9m

### HARDWARE

Display : 12.1 inch Color LCD Touch Screen  
Operating System : XP  
CPU Frequency : 1.6GHz  
Rom : 16G  
Ram : 2G

### PHYSICAL

Power Supply : 9-18V DC, 110V-260V AC  
Output Power : Upto 300watts  
Weight : 7.5kg

**GNSS  
SYSTEM  
BATHYMETRY**

# ARGO2 UNMANNED SURFACE VEHICLE

Equipped With SDE-18S+ Scho Sounder System Top Speed 7m/S, Without Payload 7kg, 120 Cm Length Moon Pool Design



## SPECIFICATION

Max. Speed : 7m /s

Power : 33V, 45Ah

Proof Level : IP 68

Endurance : 5 hours @2m/s

Remote Control Range : 2 km

Weight : 12.8kg without payload

Remote Control : Frequency 2.4 Ghz

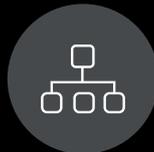
Hull Material : Glass Fiber Reinforced Polymer



All in one design remote controller



Battery display



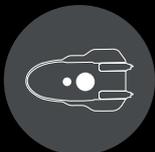
All in one design Main control unit



High performance GNSS



Long life propeller



Moon pool design



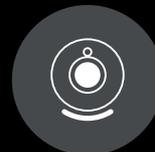
Auto pilot



Devices replace simply



Avoid obstacle



360°camera

LIDAR UAV

# SLAM LIDAR



## Model        **K100**

K100 Provides Real-Time Point Clouds, Color Point Clouds, Brings You Efficient, Accurate and Convenient User Experience.

### ALL-IN-ONE

Laser scanner + IMU + camera + master control + power supply all integrated into one device.

### LASER SENSOR

Measuring range up to 70m, scan rate 200,000 pts/sec max., FOV 360° x 59°, anti-interference design.

### 360° PANO CAMERA

Dual 1-inch CMOS sensor, 6K video resolution, 21MP image resolution.

### HANDGRIP BATTERY

Magazine feeding and lever knob mechanism to well tight between handgrip and device.

### STORAGE & DOWNLOAD

512GB SSD built in, with raw data transfer rate 125 MB/s max.

## Model        **K120 / K120S**

The Fusion of SLAM Positioning and Laser Scanning, Fit For Various Indoor/ Outdoor High Precision Mapping Projects.



# ON-BOARD INDUSTRIAL CPU CONTROL UNIT

# TRACK MEASURING



Model \_\_\_\_\_

## GG-05 VBP

### SYSTEM PARAMETRES

#### SYSTEM ACCURACY

Determination of track  
position and height  
GG-05 with Topcon GT

**Stop&go mode**  
±1 mm (circular prism)

**Kinematic mode**  
±3,5 mm

**GNSS mode**  
Position ±20 mm  
Height ±30 mm

#### Cant

**Range of measurement**  
±10 °  
(±260 mm for 1435mm gauge)

**Accuracy**  
±0.4 mm

#### PHYSICAL

**Working temperature**  
-10 ° to + 50 °C

**System weight**  
17 kg

**Degree of protection**  
IP64

**Communication**  
Serial port RS-232

**Power supply -  
removable battery**  
More than 12 hours of  
battery life

**Communication**  
External battery charger

#### Distance tracking

**Odometer Accuracy**  
±0,5 mm

#### POSITIONING DEVICE PERFORMANCE

**Track geometry measurement  
(Position, Gauge, Cant)**

**Duration**

**Stop&go measurement**

TS: 2s  
GNSS: 1s

**Kinematic measurement**

TS: < 1s

#### Gauge

**Gauge (mm)**  
any width from 760mm  
to 1676mm

**Range of measurement**  
- 25 mm to + 50 mm

**Accuracy**  
± 0.2 mm



# TOOLS ACCESSORIES



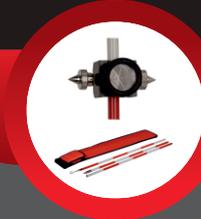
## HAND-HELD DISTANCE METER

Model : PD-53N / PD-56N /  
PD-58N / PD-520N



## PRISM SET

Model : TK10T / TK11T / TK16T /  
TK17T



## MINI PRISM SYSTEM

Model : TPSmini101  
/TPSmini102 / TPSmini103  
/TPSmini104 / TPSmini105A  
/TPSmini105B / TPSmini112A  
/TPSmini112B / PSmmini114A  
/114B / TPSmini114D



## PRISM SYSTEM

Model : TPS11 / TPS16 / TPS17  
/TPS21



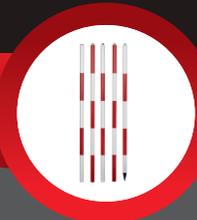
## PRISM

Model : TY01 / TY02 / TY03 /  
TY06 / CPR1 / TYmini38



## PRISM POLE

Model : CLS11 / NLS11 / NLS13  
/NLS15 / NLS21 / NLS31  
/NLS33 / NLS35 / CLS25



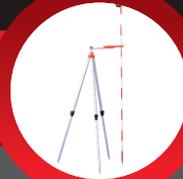
## RANGE POLE

Model : TSP2 / TSP3 / TSP5  
/ESP2 / ESP3 / ESP5



### **ELEVATOR TRIPOD**

Model : EATS



### **BIPOD**

Model : BIPOD (CSR2,CSR3)  
PRISM POLE+BIPOD (CLS12,  
CLS11+CSR2 / CLS13,  
NLS13+CSR2) TRIPOD (GSR23)  
MINI TRIPOD (ADST115,116)



### **TRIBRACH**

Model : TJ10 / TJ13 / TJ13L / Tj16  
/TJ19 / TJ23



### **ADAPTER**

Model : TL10 / TL10L / TL13 /  
TL14 / TL15 / TL16 / T123  
/TL23LG / CRT10 / CRT11



### Aluminum/ Wooden/ Fiberglass **TRIPOD**

Model : ATS-1 / ATS-3 / ATS-5 /  
ATS-JP1 / ATS-JP2  
/ATS-JP3 / NAT-81CT



### **STAFF**

Models: AGR3/ AGR4/ AGR5 /  
AGR7 / NSA-50M  
/SSI-2M



### **COLLIMATOR**

Model : KCS-2



# **KOLIDA**



## **OVERSEAS**

AFRICA, ASIA, EUROPE  
& LATIN AMERICA



## **INDIA HEAD OFFICE**

GAZIABAD (NCR)



## **BRANCH**

AHMADABAD, CHENNAI  
HYDERABAD, INDORE,  
KOLKATA, MUMBAI

Dealer Info :